

ABSTRACT

The Process In The Making Of Feed Chopper Machine's Frame

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The aims in making the framework of the feeding chopper machine are: (1) Knowing the materials used in the feed chopper's machine; (2) Knowing the correct tools and equipment to make the framework of feed chopper engines; (3) Knowing the process in making feed chopper engine; (4) Knowing the function of the framework of the feeding chopper machine; (5) Knowing the work of the napier grass chopper.

The method or process which used to make animal feed chopper engines are: Identification of the blueprint, identification of the materials, identification of tools and equipments used, the process of making the components of the frame, functional and performance testing of the framework.

The results of this napier grass chopper is: (1) This frame has 600mm length, 400mm width, and 800mm height with the use of materials st 34 in the angle of 40 x 40 x 4 mm which have strong power and material properties; (2) The equipments and tools which used are including Las SMAW machines, Drilling machines, cutting machines, roll bar, steel bar, the bar elbow, etcher, penitik, hammers, hand grinders, files, hacksaw, vise, grinders cut, hammer slag, steel brush, welding mask, klam F, spray gun, compressor, mask and sandpaper; (3) The steps in making the machine are the procurement of materials, cutting plan, cutting the materials, drilling the materials, assembly, and finishing; (4) Then conduct the framework functional testing to generating the framework that not having excessive vibration or in stable condition. This can be seen from the test results and the angle dimensions, flatness and visual test and; (5) The results of the process is able to produce chopped grass 134kg/hour or can be estimated by 1.5 sacks when the machine's condition is optimal.

Key words: *Frame, Napier Grass, Chopper Machines*